



Device Setup



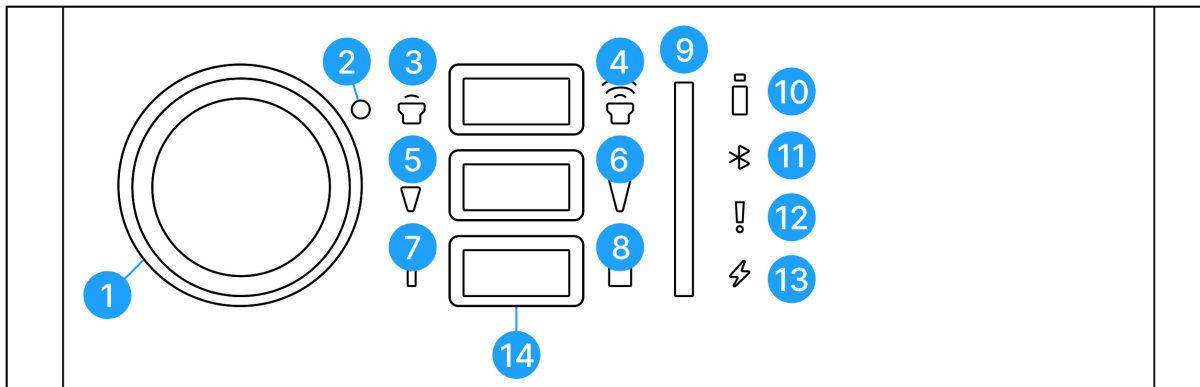
Note: Mount the unit on the cone as shown above, ensuring it is oriented towards oncoming traffic. Position it at least 3.3 yards (10 feet) in front of the RSA zone.

Power on the unit and confirm that the siren is audible and the indicator lights are flashing, then proceed with the RSA operation.



ISP Control Panel and Ports

Back Side



1 Rear Siren

2 Light Sensor

3 Low Volume

4 High Volume

5 Short Range

6 Long Range

7 Narrow Mode

8 Wide Mode

9 Status Bar Indicator

10 Battery Indicator (Page 5)

11 Bluetooth Indicator

12 Fault Indicator

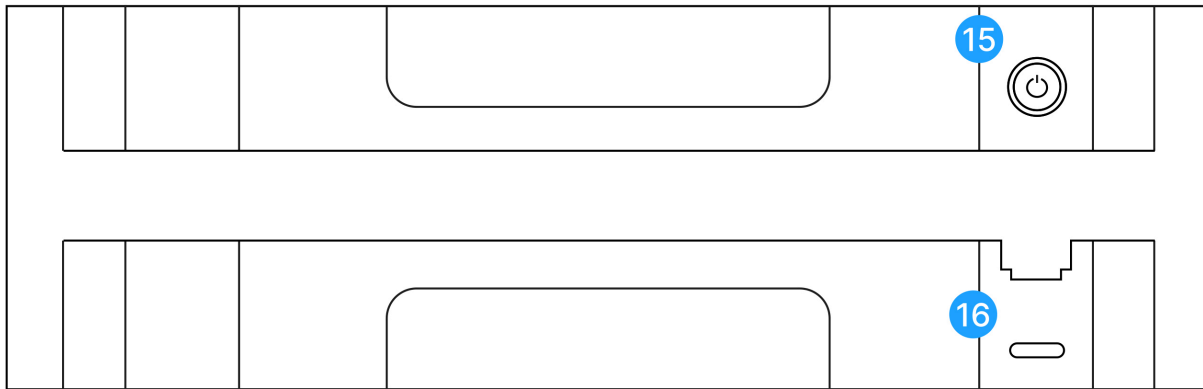
13 Charging Indicator

14 Switches

Note: Each switch adjusts the corresponding ISP settings found to the left and right of each switch.



Right Side



15 Power Switch

16 Charging Port (USB-C)



Status Indicators & Lights

Battery Charge Status Indicator 10

Color	Status	Charge Percentage
	Solid	100% - 50%
	Solid	50% - 30%
	Solid	30% - 20%
	Blinking	Below 20%

Note: Under ideal operating conditions, the unit is designed to operate for approximately *5-6 hours on a single full charge*. It is recommended to recharge when the battery status indicates solid red, or when between 30% and 20%.

Bluetooth Status Indicator 11

Color	Status	BLE State
	Blinking	Searching
	Solid	Connected
	Off	Idle

Note: When the unit is powered on, Bluetooth Low Energy (BLE) enters advertising mode by default for *2 minutes*. If no BLE device pairs within that time, BLE automatically stops searching and transitions to *idle mode*. To re-enter search mode, *toggle the Volume Switch 14 twice*.



Status Bar & Fault Patterns 12

Color	Status	Operating Mode
	Blinking	Normal Operation
	Blinking	Data Extraction Mode
	Blinking	Flash Erase Mode
	Blinking	Software Update Mode
	Solid	Date & Time Mode / Device Recalibration Mode

Note: Functions such as *data extraction, flash erase, and software updates* can be initiated and performed with the *ISP Mobile Application*. To execute, the unit *must be paired with a mobile device via BLE*.

Status Bar Pattern	Fault
  	Lamp Fault
  	Radar Fault
  	RTC Fault
  	Light Sensor Fault
  	Magnetometer Fault
  	Flash Fault
  	Bluetooth Fault
  	Calibration Fault



Technical Specifications

Part	Specifications
Battery	LiFePo4 Battery Pack - 12.8V, 12Ah Nominal Voltage: 12.8V Energy: 153.6 Wh
Charger	45W USB PD (Type C) Rated Input Voltage: AC 100V - 240V Rated Frequency: 50Hz/60Hz Rated Power: 45W (15V, 3A) Efficiency at full load: 87%
Unit Dimensions	310mm x 310mm x 168.8mm 310mm x 310mm x 222.8mm (with View Finder)
Unit Weight	8.8lb
Package Weight	12.5lb
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Compliant IP Rating	IP54 (NEMA 3)